



Docket No.: 0109878.00132US1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Adam J. Ferrari et al.

Application No.: 10/657426

Confirmation No.: 9037

Filed: September 8, 2003

Art Unit: 2161

For: METHOD AND SYSTEM FOR  
INTERPRETING MULTIPLE-TERM QUERIES

Examiner: S. Metjahic

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)**

Dear Sir:

This Information Disclosure Statement is being filed prior to the mailing date of a first Office Action on the merits. No fee is required.

Applicants request that the Examiner initial and return a copy of the enclosed Form PTO SB-08 with the next communication.

Dated: March 16, 2006

Respectfully submitted,

By Ann-Louise Kerner

Ann-Louise Kerner, Ph.D.

Registration No.: 33,523

WILMER CUTLER PICKERING HALE AND  
DORR LLP

60 State Street  
Boston, Massachusetts 02109  
(617) 526-6000  
Attorney for Applicant



Application No. (if known): 10/657426

Attorney Docket No.: 0109878.00132US1

## Certificate of Mailing under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on March 16, 2006  
Date

  
Signature

Anthony W. Sutton

Typed or printed name of person signing Certificate

Registration Number, if applicable

(617) 526-6000  
Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Form PTO SB-08  
14 Non-U.S. References  
Return Postcard  
IDS (Citation) by Applicant (3 pages)  
Information Disclosure Statement (1 page)  
Transmittal (1 page)



PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/657426-Conf. #9037
	Filing Date	September 8, 2003
	First Named Inventor	Adam J. Ferrari
	Art Unit	2161
	Examiner Name	S. Metjahic
Total Number of Pages in This Submission	Attorney Docket Number	0109878.00132US1

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Form PTO SB-08 14 Non-U.S. References Return Postcard
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	WILMER CUTLER PICKERING HALE AND DORR LLP		
Signature			
Printed name	Ann-Louise Kerner, Ph.D.		
Date	March 16, 2006	Reg. No.	33,523



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/657426-Conf. #9037
				Filing Date	September 8, 2003
				First Named Inventor	Adam J. Ferrari
				Art Unit	2161
				Examiner Name	S. Metjahic
Sheet	1	of	3	Attorney Docket Number	0109878.00132US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA*	US-4,775,935	10-04-1988	Yourick	
	AB*	US-4,868,733	09-19-1989	Fujisawa et al.	
	AC*	US-5,241,671	08-31-1993	Reed et al.	
	AD*	US-5,418,717	05-23-1995	Su et al.	
	AE*	US-5,418,951	05-23-1995	Damashek	
	AF*	US-5,440,742	08-08-1995	Schwanke	
	AG*	US-5,485,621	01-16-1996	Schwanke	
	AH*	US-5,544,049	08-06-1996	Henderson et al.	
	AI*	US-5,546,576	08-13-1996	Cochrane et al.	
	AJ*	US-5,548,506	08-20-1996	Srinivasan	
	AK*	US-5,590,269	12-31-1996	Kruse et al.	
	AL*	US-5,600,829	02-04-1997	Tsatalos et al.	
	AM*	US-5,630,125	05-13-1997	Zellweger	
	AN*	US-5,634,128	05-27-1997	Messina	
	AO*	US-5,675,784	10-07-1997	Maxwell et al.	
	AP*	US-5,696,916	12-09-1997	Yamazaki et al.	
	AQ*	US-5,724,571	03-03-1998	Woods	
	AR*	US-5,740,425	04-14-1998	Povilus	
	AS*	US-5,749,081	05-05-1998	Whiteis	
	AT*	US-5,764,975	06-09-1998	Taniguchi et al.	
	AU*	US-5,812,998	09-22-1998	Tsutsumi et al.	
	AV*	US-5,835,905	11-10-1998	Pirolli et al.	
	AW*	US-5,852,822	12-22-1998	Srinivasan et al.	
	AX*	US-5,864,845	01-26-1999	Voorhees et al.	
	AY*	US-5,864,846	01-26-1999	Voorhees et al.	
	AZ*	US-5,864,863	01-26-1999	Burrows	
	AA1*	US-5,870,746	02-09-1999	Knutson et al.	
	AB1*	US-5,873,075	02-16-1999	Cochrane et al.	
	AC1*	US-5,875,440	02-23-1999	Cooperman et al.	
	AD1*	US-5,875,446	02-23-1999	Brown et al.	
	AE1*	US-5,878,423	03-02-1999	Anderson et al.	
	AF1*	US-5,893,104	04-06-1999	Srinivasan et al.	
	AG1*	US-5,895,470	04-20-1999	Pirolli et al.	
	AH1*	US-5,897,639	04-27-1999	Greef et al.	
	AI1*	US-5,920,859	07-06-1999	Li	
	AJ1*	US-5,926,811	07-20-1999	Miller et al.	
	AK1*	US-5,940,821	08-17-1999	Wical	
	AL1*	US-5,943,670	08-24-1999	Prager	
	AM1*	US-5,950,189	09-07-1999	Cohen et al.	
	AN1*	US-5,970,489	10-19-1999	Jacobson et al.	
	AO1*	US-5,978,788	11-02-1999	Castelli et al.	
	AP1*	US-5,978,794	11-02-1999	Agrawal et al.	
	AQ1*	US-5,978,799	11-02-1999	Hirsch	
	AR1*	US-5,983,223	11-09-1999	Perlman	
	AS1*	US-5,986,655	11-16-1999	Chiu et al.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

5566695

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/657426-Conf. #9037
				Filing Date	September 8, 2003
				First Named Inventor	Adam J. Ferrari
				Art Unit	2161
				Examiner Name	S. Metjahic
Sheet	2	of	3	Attorney Docket Number	0109878.00132US1

	AT1*	US-5,987,468	11-16-1999	Singh et al.	
	AU1*	US-5,987,470	11-16-1999	Meyers et al.	
	AV1*	US-5,991,756	11-23-1999	Wu	
	AW1*	US-6,006,217	12-21-1999	Lumsden	
	AX1*	US-6,006,218	12-21-1999	Breese et al.	
	AY1*	US-6,006,222	12-21-1999	Culliss	
	AZ1*	US-6,006,225	12-21-1999	Bowman et al.	
	AA2*	US-6,009,424	12-28-1999	Lepage et al.	
	AB2*	US-6,012,006	01-04-2000	Ohneda et al.	
	AC2*	US-6,014,639	01-11-2000	Fohn et al.	
	AD2*	US-6,014,655	01-11-2000	Fujiwara et al.	
	AE2*	US-6,014,657	01-11-2000	Weida et al.	
	AF2*	US-6,014,665	01-11-2000	Culliss	
	AG2*	US-6,028,605	02-22-2000	Conrad et al.	
	AH2*	US-6,029,195	02-22-2000	Herz	
	AI2*	US-6,038,560	03-14-2000	Wical	
	AJ2*	US-6,038,574	03-14-2000	Pitkow et al.	
	AK2*	US-6,070,162	05-30-2000	Miyasaka et al.	
	AL2*	US-6,112,186	08-29-2000	Bergh et al.	
	AM2*	US-6,236,985	05-22-2001	Aggarwal et al.	
	AN2*	US-6,240,378	05-29-2001	Imanaka et al.	
	AO2*	US-6,240,409	05-29-2001	Aiken	
	AP2*	US-6,243,713	06-05-2001	Nelson et al.	
	AQ2*	US-6,263,334	07-17-2001	Fayyad et al.	
	AR2*	US-6,269,368	07-31-2001	Diamond	
	AS2*	US-6,272,507	08-07-2001	Pirolli et al.	
	AT2*	US-6,289,354	09-11-2001	Aggarwal et al.	
	AU2*	US-6,301,577	10-09-2001	Matsumoto et al.	
	AV2*	US-6,317,741	11-13-2001	Burrows	
	AW2*	US-6,339,767	01-15-2002	Rivette et al.	
	AX2*	US-6,385,602	05-07-2002	Tso et al.	
	AY2*	US-6,397,221	05-28-2002	Greef et al.	
	AZ2*	US-6,446,068	09-03-2002	Kortge	
	AA3*	US-6,519,618	02-11-2003	Snyder	
	AB3*	US-6,611,825	08-26-2003	Billheimer et al.	
	AC3*	US-6,633,868	10-14-2003	Min et al.	
	AD3*	US-6,647,391	11-11-2003	Smith et al.	
	AE3*	US-6,697,801	02-24-2004	Eldredge et al.	
	AF3*	US-6,763,351	07-13-2004	Subramaniam et al.	
	AG3*	US-6,845,354	01-18-2005	Kuo et al.	
	AH3*	US-6,853,982	02-08-2005	Smith et al.	
	AI3	US-US-2002/0147703	10-10-2002	Yu, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
Examiner Signature						
5566695				Date Considered		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/657426-Conf. #9037
				Filing Date	September 8, 2003
				First Named Inventor	Adam J. Ferrari
				Art Unit	2161
				Examiner Name	S. Metjahic
Sheet	3	of	3	Attorney Docket Number	0109878.00132US1

--	--	--	--	--	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
	CA	Amato, et al., "Region proximity in metric spaces and its use for approximate similarity search", ACM Trans. In. System, (2003), Vol. 21(2), pp. 192-227		
	CB	BERGSTROM, "A family of delphi components for case-based reasoning", Proceedings 11th IEEE International Conference on Chicago, (1999), pp. 153-160		
	CC	BEYER et al., "When is 'Nearest Neighbor' meaningful", Proceedings of the 7th International Conference on Database Theory", (1999)		
	CD	DIAMANTINI et al., "A conceptual indexing method for content-based retrieval", Database and Expert Systems Applications. Proceedings Tenth Workshop on Florence Italy, (1999), pp. 192-197		
	CE	GUHA et al., "ROCK: A robust clustering algorithm for categorical attributes", Data Engineering Proceedings 15th International Conference on Sidney, (1999), pp. 512-521		
	CF	GUTTMAN, "R-Trees: A dynamic index structure for spatial searching", Proceedings of the ACM SIG-MOD Conference, (1984)		
	CG	HAN-JOON, K. et al., "An effective document clustering method using user-adaptable distance metrics.", SAC, (2002), 16-20		
	CH	HINNEBURG et al., "What is the nearest neighbor in high dimensional spaces", Proceedings of the 26th VLDB Conference, (2000)		
	CI	HONGYAN JING, "Information retrieval based on context distance and morphology", Proceedings of the 22nd annual international ACM SIGIR conference on Research and Development in information retrieval, pp. 90-96, August 1999		
	CJ	MILLER et al., "Integrating Hierarchical Navigation and Querying: A User Customizable Solution" ACM Multimedia Workshop on Effective Abstractions in Multimedia Layout, Presentation, and Interaction, San Francisco, CA, November (1995).		
	CK	PI-SHENG, "Using case-based reasoning for decision support", Proceedings of the 27th Annual Hawaii International Conference on System Sciences, (1994), pp. 552-561		
	CL	SALTON et al., "Term-weighting approaches in automatic test retrieval", Information Processing & Management, (1988), Vol. 24(5), pp. 513-523		
	CM	SHAMOS et al., "Closest-point problems", Proceedings of the 16th Annual Symposium on Foundations of Computer Science, IEEE (1975)		
	CN	Yahoo 1996 (Exhibit 12-16)		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

5566695

US1DOCS 5566695v1